

IN THE CLAIMS

Claims 1-84 (cancelled).

85. (new) A system for use in a vehicle, comprising:
 - an interface for defining a parking space into which the vehicle is to be parked;
 - a processor for determining parameters concerning at least speed and steering for parking the vehicle into the parking space;
 - a display, wherein a simulation of parking the vehicle based on the parameters is selectable to be shown on the display; and
 - a mechanism for controlling components of the vehicle to park the vehicle into the parking space based on the parameters.
86. (new) The system of claim 85 further comprising an output device for emitting an audible signal while the vehicle is being parked.
87. (new) The system of claim 85 further comprising a device receptive to a signal from outside the vehicle for initiating parking of the vehicle.
88. (new) The system of claim 85 further comprising a device receptive to a signal from outside the vehicle to abort parking of the vehicle.
89. (new) The system of claim 85 further comprising an output device for requesting a user of the vehicle to exit the vehicle before parking of the vehicle.
90. (new) The system of claim 85 wherein the components include a brake subsystem.

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91. (new) The system of claim 85 wherein the components include a transmission subsystem.

92. (new) The system of claim 85 wherein the components include a steering subsystem.

93. (new) The system of claim 85 wherein the components include a throttle subsystem.

94. (new) The system of claim 85 wherein the display includes a liquid crystal display (LCD).

95. (new) The system of claim 85 wherein the interface includes the display.

96. (new) A method for use in a system in a vehicle, comprising:
allowing a user of the vehicle to set the system in a training mode in which the vehicle is driven from a predetermined location to a desired parking space;
registering, in the system in the training mode, coordinated operations of components of the vehicle in driving the vehicle from the predetermined location to the desired parking space; and
causing the components of the vehicle to carry out the registered, coordinated operations to drive the vehicle from the predetermined location to the desired parking space when the system is set in a parking mode.

97. (new) The method of claim 96 further comprising emitting an audible signal while the vehicle is being parked.

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98. (new) The method of claim 96 further comprising receiving a signal from outside the vehicle for initiating parking of the vehicle.

99. (new) The method of claim 96 further comprising receiving a signal from outside the vehicle to abort parking of the vehicle.

100. (new) A method for use in a system in a vehicle, the system including a display, the method comprising:

defining a parking space into which the vehicle is to be parked;

determining parameters concerning at least speed and steering for parking the vehicle into the parking space;

allowing a user of the vehicle to select a simulation of parking the vehicle based on the parameters to be shown on the display; and

controlling components of the vehicle to park the vehicle into the parking space based on the parameters.

101. (new) The method of claim 100 further comprising emitting an audible signal while the vehicle is being parked.

102. (new) The method of claim 100 further comprising receiving a signal from outside the vehicle for initiating parking of the vehicle.

103. (new) The method of claim 100 further comprising receiving a signal from outside the vehicle to abort parking of the vehicle.

104. (new) The method of claim 100 further comprising requesting a user of the vehicle to exit the vehicle before parking of the vehicle.